IEEE P802.11
Wireless LANs

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| Table 9-25 Proposed Comment Resolutions |
| Date: 2021-07-26 |
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Abstract

This submission contains proposed comment resolutions to comments on P802.11be D1.0. The changes are based on P802.11be D1.01.

3 comment resolutions are proposed:

CIDs 4095, 4291 and 5072

**Discussion**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 4095 | 74.24 | 9.2.4.7.1 | Updated Table 9-25 to include a column for EHT | As in comment | REVISEDAgreed in principle.***Instructions to the editor:***Please make the changes as shown in 11/21-1072r0, under CID 4095. |
| 4291 | 0.0 | 9.2.4.7.1 | Update table to add EHT PPDU limits.(references relative to TGax 8.0) | As in comment. | REVISEDAgreed in principle.***Instructions to the editor:***Please make the changes as shown in 11/21-1072r0, under CID 4291. |
| 5072 | 71.07 | 9.2.4 | Add Table 9-25 from baseline 802.11ax-2021 spec and extend it to include a column for EHT PHY. | As in comment. | REVISEDAgreed in principle.***Instructions to the editor:***Please make the changes as shown in 11/21-1072r0, under CID 5072. |

***Instructions to the editor, please add the following new table to a new clause 9.2.4.8.1 at P124, L2 of P802.11be D1.01.***

***The indicated changes show the new additional column for EHT from IEEE 802.11 REVme D0.1 (e.g. from the rolled in IEEE 802.11ax-2021)***

* Frame Body field
* General

|  |  |
| --- | --- |
|  | * Maximum data unit sizes (in octets) and durations (in microseconds)
 |
|  | Non-HT non-VHT non-HE(11ax) non-S1G non-DMG PPDU and non-HT duplicate PPDU | HT PPDU | VHT PPDU | HE PPDU | EHT PPDU | S1G PPDU | DMG PPDU |
| MMPDU size | 2304 | 2304 | See NOTE 1 | See NOTE 1 | See NOTE 1 | See NOTE 1 | 2304 |
| MSDU size | 2304 | 2304 | 2304 | 2304 | 2304 | 2304 | 7920 |
| A‑MSDU size | 3839 or4065 (see NOTE 2) (HT STA, see also Table 9-215 (Subfields of the HT Capability Information field)), or N/A (non-HT STA, see also 10.11 (A‑MSDU operation)) | 3839 or 7935 (see also Table 9-215 (Subfields of the HT Capability Information field)) | See NOTE 3 | 2.4 GHz band: 3839 or 7935 (see also Table 9-215 (Subfields of the HT Capability Information field)) Otherwise: see NOTE 3 | 2.4 GHz band: 3839 or 7935 (see also Table 9-215 (Subfields of the HT Capability Information field)) 6 GHz band:Xxx(see also 9.4.2.263 (HE 6 GHz Band Capabilities element))Otherwise: see NOTE 3 | See NOTE 3 | 7935 |
| MPDU size | See NOTE 4 | See NOTE 5 | 3895 or 7991 or 11 454 (see also Table 9-303 (Subfields of the VHT Capabilities Information field)) | 2.4 GHz band: see NOTE 5Otherwise: 3895 or 7991 or 11 454 (see also Table 9-303 (Subfields of the VHT Capabilities Information field))See NOTE 7 | 2.4 GHz band: see NOTE 56 GHz band:3895, 7991 or 11 454(see also 9.4.2.263 (HE 6 GHz Band Capabilities element))Otherwise: 3895 or 7991 or 11 454 (see also Table 9-303 (Subfields of the VHT Capabilities Information field))See NOTE 7 | 3895 or 7991 (see also Table 9-335 (Subfields of the S1G Capabilities Information field)) | See NOTE 5 |
| PSDU size | 212–1 (see Table 15-5 (DSSS PHY characteristics), Table 16-4 (HR/DSSS PHY characteristics), Table 17-21 (OFDM PHY characteristics), Table 18-5 (ERP characteristics)) | 216–1 (see Table 19-25 (HT PHY characteristics)) | 4 692 480 (~222.16) (see Table 21-28 (VHT PHY characteristics)) | 6 500 631 (~222.63)(see Table 27-54 (HE PHY characteristics)) | 15 523 200 (~223.88)(see Table 36-69 (EHT PHY characteristics)) | 797 160 (~219.60) (see Table 23-40 (S1G PHY characteristics)) | 218–1 (see Table 20-30 (DMG PHY characteristics)) |
| PPDU duration | See NOTE 6 | 5484 (HT\_MF; see 10.27.4 (L\_LENGTH and L\_DATARATE parameter values for HT-mixed format PPDUs)) or 10 000 (HT\_GF; see Table 19-25 (HT PHY characteristics)) | 5484 (see Table 21-28 (VHT PHY characteristics)) | 5484 (see Table 27-54 (HE PHY characteristics)) | 5484 (see Table 36-xx (EHT PHY characteristics)) | 27 840 (see Table 23-40 (S1G PHY characteristics)) | 2000 (see Table 20-30 (DMG PHY characteristics)) |
| NOTE 1—No direct constraint on the maximum MMPDU size; indirectly constrained by the maximum MPDU size (see 9.3.3.1 (Format of (PV0) Management frames)).NOTE 2—Indirect constraint from the maximum PSDU size: 212–1 octets minus the minimum QoS Data frame overhead (26 octets for the MAC header and 4 octets for the FCS).NOTE 3—No direct constraint on the maximum A‑MSDU size; indirectly constrained by the maximum MPDU size.NOTE 4—No direct constraint on the maximum MPDU size; indirectly constrained by the maximum MSDU/MMPDU or (for HT STAs only) A‑MSDU size.NOTE 5—No direct constraint on the maximum MPDU size; indirectly constrained by the maximum A‑MSDU size.NOTE 6—No direct constraint on the maximum duration, but an L\_LENGTH value above 2332 might not be supported by some receivers (see NOTE 2 in 10.27.4 (L\_LENGTH and L\_DATARATE parameter values for HT-mixed format PPDUs)).NOTE 7—The maximum MPDU size might be greater than the size declared as supported by the recipient if the MPDU is an HE Compressed Beamforming/CQI frame. |